Liquid Soap Making

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Soaping101

About Me

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Liquid Soap Making

A four step process

- Measure
- Mix
- Cook
- Dilute

Liquid Soap Making

Before we measure we must come up with a recipe

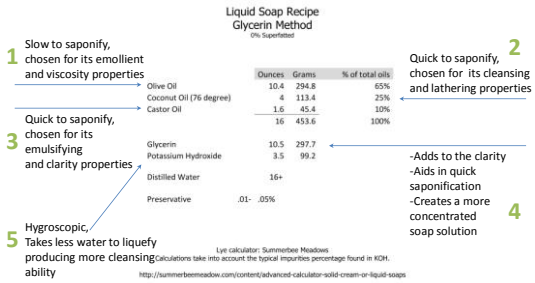
Just as with CP soap, oil choice is important

Creating a Recipe

Take consideration of:

- Fatty Acid properties and degree of unsaponifiables
  - High amounts of palm oil and butters such as shea, mango and cocoa butter will cause your liquid soap to be cloudy
- Color of oil
  - The darker the oil the more amber your soap will be
  - Coconut, for example, produces a clear liquid soap
- Desired viscosity
  - Finished pastes dilute at various rates
  - For example, olive oil will congeal at lesser rate than coconut oil

Liquid Soap Making



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Melt Your Oils

- Add measured oils to crockpot
- Allow to rise in temperature to approx. 180˚F

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Mixing Glycerin and Potassium Hydroxide

- Begin with room temperature glycerin
- Add KOH flakes
- Put on heat and allow the flakes to melt
  - Stir continuously
  - Temperature can (and probably will) rise to 300˚F
  - Do not allow to boil
- Remove from heat when solution is clear
  - 12-15 minutes

Mixing Glycerin/KOH with Oils

- Slowly add the glycerin/KOH solution to the melted oils
- Stickblend until trace
  - Glycerin based liquid soap trace fast

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The Cook

- Check and stir each 15-20 minutes
- Soap becomes more transparent as it cooks
- After one hour, check for excess lye with phenolphthalein drops
- Once it passed the lye test, check for clarity and pH

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Dilution

- Weigh out the soap paste
- For our soap recipe, we will dilute at
  1.5:1 or 1.5 parts water to 1 part paste

  Our paste weighs 16 oz
  16 x 150%= 24
  24 oz of distilled water
- Add boiling distilled water to paste
- Turn off crock and allow to paste to dissolve

Preservatives

As a general rule, if the pH is 9 or higher a preservative may not be required. In turn, if the pH is below 9 a preservative is recommended.

If selling your product, always err on the side of caution and add a preservative.

www.liquidsoapmakingbook.com
Amazon and Barnes & Noble online